# Recreational Use Attainability Analysis

Cover Sheet

Water	r Body Name: Maline Creek				-
	r Body Identification #: 1709		•		
Comp	oleted UAA Checklist:				
→ ~	Pre-Field Preparatory Data Sheet				
>	Maps with actual survey sites marked				
>	Data Sheet A				
>	Data Sheet $B - 3$ of 3 pages for each site		•		
	o Number of Sites:		•		
>	Data Sheet C (if applicable)	,	•		
	o Number of Interviews:				
· >	Photographs				
	o Quantities				
	■ Upstream	,		•	
	■ Downstream				
	• Other				
		*			
	•				
	undersigned, hereby affirm to the best of my kee and accurate.	nowledge, that all inforn	nation reported	l in this UA	A
Signe	1: Rebecca Pardewe	Date: 6/26/6	6		
	d Name: Rebecca Landewe	Telephone #: 913		61	
rinte	a Name:				
Organ	ization: US EPA	Position: Environa	nental SC	reumst	•

## <u>Pre-Field Preparatory Data Sheet</u> for Recreational Use Stream Surveys

Water Body Name: Maline Cre (from USGS 7.5' quad)	eek-
8-digit HUC: 07140101	Missouri Water Body Identification (WBID) #: \709
County: St. Louis	
Upstream Legal Description: Bellefi	ontaine Rd. Class C
Downstream Legal Description: Mou	ith 1.0 mile
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Weather Conditions for Past 7 days: Ten	np: 70s to mid-90s
Haze, light rain, 4 0.5 inch r	ain dunia week
County Drought Status:	
, - ·	ps and information: http://www.dnr.mo.gov/env/wrc/droughtupdate.htm)
No drought	
→ Phase 1 – Advisory Phase	
<ul> <li>Phase 2 - Drought Alert</li> </ul>	
➤ Phase 3 – Conservation Phase	
▶ Unknown	
Date of Map: 5 / 30 / 2006	

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID # 1709

Date: 6 / 22 / 06

## Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet A - Water Body Identification

Water Body Name: Maline Creek

WBID #: 1709

Upstream Coordinates: N 38.73633
(WGS 84, ddd.dddd) \omega 90.22487

Downstream Coordinates: N 38.7278
(WGS 84, ddd.dddd) \omega 90.21917

Current Weather Conditions: Mostly Cloud, 80% cover, mid-80%, light wind

Number of Sites Evaluated:

Name(s) of Surveyor(s):

Gary Welker, Jay tha, Rebecca Landewe

Pate: 6 / 22 / 0					
_	Field Data S	heets for Recreational I	Jse Stream	Surveys	
		B - Site Characterizati Sheet B must be comple		site)	
Latitude (ddd.dddd): /	V 38.73632	3	7	Arrival Time:	2, 25
Longitude (ddd.dddd):	w 90.2248				<i>5</i> ', 20
Photo Ids: Upstream:	2716	Downstream: 2715	(	Other:	
	2110	2110		2.11	8 - ditch
			*		
arrative Description	of Location: (De	scribe access point to stream,	nearby roads,	landmarks, et	c.)
		^ <i>/</i>			
Lined channel	approx, 75m	n from Belletonta	ine Rd.	Bridge	7
Lined channel	арргох, 750	from Bellefonta	line Rd.	Bridge	. · · · · · · · · · · · · · · · · · · ·
urrounding Conditionems of interest.)	ns*: (Mark all that p	promote or impede recreation	al uses. Attach	photos of evi	dence or unusual
urrounding Conditionems of interest.)  City/county parks			al uses. Attach	photos of evi	
urrounding Conditionems of interest.)	ns*: (Mark all that p	promote or impede recreation	al uses. Attach	photos of evi	dence or unusual
urrounding Conditionems of interest.)  City/county parks	ns*: (Mark all that p	promote or impede recreation  MDC conservation land	al uses. Attach	photos of evi n areas e trails	dence or unusual
urrounding Conditionems of interest.)  City/county parks  Boating accesses	ns*: (Mark all that p  Playgrounds  State parks  Fence	promote or impede recreation  MDC conservation land National forests	al uses. Attach	photos of evi n areas e trails	dence or unusual
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign	ns*: (Mark all that p  Playgrounds  State parks  Fence	promote or impede recreation  MDC conservation land National forests	al uses. Attach	photos of evi n areas e trails	dence or unusual
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign	ns*: (Mark all that p  Playgrounds  State parks  Fence	promote or impede recreation  MDC conservation land  National forests  Steep slopes	al uses. Attach  Urba  Natur	photos of evi	dence or unusual  Campgrounds  Stairs/walkway
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign  fuman Uses Observed	ns*: (Mark all that p  Playgrounds  State parks  Fence  Skin diving	promote or impede recreation  MDC conservation land  National forests  Steep slopes	al uses. Attach  Urba  Natur  Other	photos of evi	dence or unusual  Campgrounds  Stairs/walkway  Water skiing  Rafting
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign  uman Uses Observed  Swimming  Wind surfing  Hunting	ns*: (Mark all that p  Playgrounds  State parks  Fence  Skin diving  Kayaking  Trapping	promote or impede recreation  MDC conservation lands  National forests  Steep slopes  SCUBA diving  Boating	al uses. Attach  Urba  Natur  Other	photos of evi	dence or unusual  Campgrounds  Stairs/walkway  Water skiing Rafting Other:
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign  uman Uses Observed  Swimming  Wind surfing  Hunting	ns*: (Mark all that p  Playgrounds  State parks  Fence  Skin diving  Kayaking  Trapping	promote or impede recreation  MDC conservation lands  National forests  Steep slopes  SCUBA diving Boating Fishing	al uses. Attach  Urba  Natur  Other	photos of evi	dence or unusual  Campgrounds  Stairs/walkway  Water skiing Rafting Other:
urrounding Conditionems of interest.)  City/county parks  Boating accesses  No trespass sign  uman Uses Observed  Swimming  Wind surfing  Hunting	ns*: (Mark all that p  Playgrounds  State parks  Fence  Skin diving  Kayaking  Trapping	promote or impede recreation  MDC conservation lands  National forests  Steep slopes  SCUBA diving Boating Fishing	al uses. Attach  Urba  Natur  Other	photos of evi	dence or unusual  Campgrounds  Stairs/walkway  Water skiing Rafting Other:

TOUR OF ARREST				
□ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

j	· i	•
Drainage	2718	
Ö		

<u> </u>	09 Site #					
te:/_		Shoot R _ Site (	Characterization	-2  of  3		
	Data	Officer D - Dire				•
ream Morp Unstream	ohology: View Physical Dim	ensions:				
Opstream	Distance from access point (m)	Width (m)	Length (n	n) A	vg. Depth (m)	Max Depth (m)
☐ Riffle	,				-	
X Run	75m	12			.05	0.05
□ Pool						
∑ Flow	Present? XYes	□ No	Velocity (ft/se	:c):		,
L						
Downstrea	m View Physical I Distance from	Oimensions:  Width (m)	Length (r	n) A	vg. Depth (m)	Max Depth (m)
	access point (m)					
Riffle		10		0	,05	0.05
Run	75m				, - ,	<u> </u>
Pool			Velocity (ft/se	-c): 		
Flow	Present? X Yes	□ No				
ibstrate*:	(These values should ac	ld up to 100%.)	Other: Rip-	-rap		
,		Gravel	% Sand	% Silt	% Mud/Clay	% Bedro
L	_		1 1 41 -441 - no	annon arta	`	
quatic Veg	etation*: (Note amou	nt of vegetation or a	ligal growth at the as		<u>)</u>	
100%	% algae gr	more cover	ng rip-ra			
ater Chara	acteristics*: (Mark a	ll that apply.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	☑ None	☐ Other:	
Color:	√ Clear	☐ Green	☐ Gray	□ Milky	☐ Other:	
		F 0 111	☐ Fine sediments	☐ None	Other:	Algae
Bottom De	posit: 🗌 Sludge	☐ Solids	THE SCHIICITE			

Fish, crayfish

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

<u> se #_   700</u> se	<u> </u>	<del>-</del>				3
ite: 6 / 22 / 06	7		•	`	di;	- W
		heets f	or Recreational Use	Stream	n Surveys	The state of the s
. (4	Data Sheet	B - Si	te Characterization B must be completed	-1 of 3	)	
Latitude (ddd.dddd): N Longitude (ddd.dddd):	38.73586	1			Arrival Time:	25.
Longitude (ddd.dddd): Photo Ids: Upstream:	2720 I	J Downstr	eam: 2721		Other: 271 Pipe 2	
rrative Description of Approx. 100 ~ 25  rrounding Condition as of interest.)	om downs om dows	trean Strea	n of Bellefonta m of Site	une	Rd .	ace or unusual
☐ City/county parks	☐ Playgrounds	П М	OC conservation lands	Urban areas		☐ Campgrounds
☐ Boating accesses	☐ State parks	□Na	tional forests	☐ Nature trails		☐ Stairs/walkway
☐ No trespass sign	Fence	☐ Ste	ep slopes	Other: Concrete Ripra		wall
man Uses Observed	k.				Ripra	P
☐ Swimming	☐ Skin diving		☐ SCÜBA diving	□ Tı	bing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ w	ading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	jX,No	one of the above	☐ Other:
Describe: (include numbe	er of individuals rec	reating,	frequency of use, photo-	documer	tation of evidence	of recreational uses, etc.)
idence of Human Use	e <b>*:</b>					
Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Liv	estock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	3	☐ Fire pit/ring	□ NP	DES Discharge	☐ Fishing Tackle
☐ Other:				-		
	g., trash dumping, t	iran dro				

BID #	<u>09</u> Sit	e#_2	·					4
te: 6 / 2	22106							
			Sheet B - Site C	Characterizatio	n-2 of	3	٠.	
eam Morpl Upstream V		sical Dim	ensions:					
	Distance access po	e from	Width (m)	Length (	(m) .	Avg. Depth (m)	)	Max Depth (m)
□ Riffle								
□ Run						7 67 08 - 28		- V.
Pool			13.5	15	0	7, 0.7, 0.6= 2.0 0.66	0	<u> </u>
☑ Flow	Present?	⊠ Yes	□ No	Velocity (ft/s	sec):			* .
<u> </u>								
Downstream	m View P Distanc	hysical D	oimensions:					
	access po		Width (m)	Length	(m)	Avg. Depth (m)	)	Max Depth (m)
☐ Riffle								
⊠ Run			13	40	C	0.8,1,0.8=2.6	56	1.0
□ Pool				1111				
☑ Flow	Present?	ίχ Yes	□ No	Velocity (ft/	sec):			-
			d up to 100%.)	N/ O	% Si	lt   90 % Mud	VC1av	% Bedroc
10 %	Cobble	%(	Gravel	% Sand	70 SI	100%	/Clay	78 DOMOG.
uotic Vege	tation*• (N	Jote amour	nt of vegetation or a	lgal growth at the a	assessment			
Algae		1010 11110 111		<u> </u>				
mg								
w								
ter Charae	cteristics*	: (Mark al	l that apply.)					
Odor:		Sewage	☐ Musky	☐ Chemical	□No	ne 💆 Ot	ther: A	naerobic sea
Color:		 Clear	☐ Green	☐ Gray	X Mi	lky □ Ot	ther:	
Bottom Depo		Sludge	☐ Solids	☐ Fine sediment	s 🛭 No	ne 🗆 Ot	ther:	
Surface Depo			□ Scum	☐ Foam	⊠(No	ne □ Ot	ther	

Warm water temp

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wsw #_17 <i>09</i> _si	te# <i>\$</i>				3
Date: 4 / 22 / 06					
Jaco. 4 / 22/		ieets f	or Recreational Use	Stream Surveys	
(			te Characterization  B must be completed		
Latitude (ddd.dddd):				Arrival Time:	3:45
Longitude (ddd.dddd):	W 90, 223	3			
Photo Ids: Upstream:	7177- D	ownstr	eam: 2723	Other:	
			2120	2724	
Narrative Description	of Location: (Des	scribe a	ccess point to stream, nea	rby roads, landmarks, etc.)	
·					
Surrounding Condition tems of interest.)	ns*: (Mark all that p	promote	e or impede recreational u	ses. Attach photos of evider	ice of unusual
☐ City/county parks	☐ Playgrounds	□м	DC conservation lands	☑ Urban areas	☐. Campgrounds
☐ Boating accesses	☐ State parks	□N	ational forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	∑KSt	eep slopes	** Other: Concrete	wall
				R	ip-rap
Human Uses Observed	<u> *:</u>	<del></del>			<u> </u>
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:
Describe: (include numb	oer of individuals rec	reating	, frequency of use, photo-	-documentation of evidence	of recreational uses, etc.)
				•	
Evidence of Human U	se*:	•			
□ Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other:	1 - 7 - 3		1		

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

trash Pipe

ate: 6 /2	709 Site#3 22 / 06						
		Sheet B - Site C	'haracte	rization -	- 2 of 3		
tream Morp Upstream	phology: View Physical Dim	ensions:					
	Distance from access point (m)	Width (m)	I	Length (m)	A	Avg. Depth (m)	Max Depth (m)
☐ Riffle							
□ Run						, ; . ;	
≥ Pool		18		40	0,5, 1	0.8, 0.6=1.9 0.63	0.8
X Flow	Present? X Yes	□ No	Velo	city (ft/sec):	: Slo	ω	
<u> </u>		•					
Downstrea	Distance from access point (m)	Oimensions:  Width (m)	I	Length (m)		Avg. Depth (m)	Max Depth (m)
☐ Riffle	access point (iii)		<u> </u>				
☐ Run							
Pool		17		46	0.5,	0.73	1.0
Ø Flow	Present? Yes	□ No	Velo	city (ft/sec):			
	(These values should ad		~ ~		9/ 57:14	Or 9/ Mad/Clay	% Bedroc
%	Cobble 5 % C	Gravel '	% Sand		% Silt	95% Mud/Clay	76 Bedioc
anatic Vege	etation*: (Note amour	of vegetation or als	gal growth	at the asses	ssment sit	e.)	
	e, paraphy		<u> </u>				W
1 110	, program	7/			•		
						•	
Vater Chara	acteristics*: (Mark al	l that apply.)					
Odor:	☐ Sewage	□ Musky	☐ Chemi	ical	□ None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray		☐ Milky	☐ Other:	

☐ Foam

□ None

☐ Other:

Fish, Crawdads

Жoil

Surface Deposit:

Scum

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WBID	Ħ	ì	101	_ Site#	్
Date:	6	1	72	06	

# Data Sheet B - Site Characterization -3 of 3

	Please describe any dep lems in measuring, site		and the reasons for departure (e.g., unanticipated unique local
Light	sprinkle	<5 min.	duration
0			
		,	

WBID# 1709 Si	ite#		•		3	
Date: 6 / 22 / 06					¥ '	
		ieets f	or Recreational Use	Stream Surveys		
			te Characterization - B must be completed			
Latitude (ddd.dddd):	N 38,73301	···		Arrival Time:	106 ana	
Longitude (ddd.dddd):	W 90, ZZ1	53		<u>-1</u> ,	:05pm	
Photo Ids: Upstream:	W 90. 22/9	)ownstr	ream: Z728	Other: Oil Shein	7****	
	2:2:		·	Pipe	2726	
,						
Narrative Description			ccess point to stream, nea	rby roads, landmarks, etc.)		
Upstream of		rel				
Below p	sipe outfall					
Surrounding Condition items of interest.)	ons*: (Mark all that p	oromote	e or impede recreational u	ses. Attach photos of eviden	ice or unusual	
☐ City/county parks	☐ Playgrounds	□м	DC conservation lands	💢 Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	□ N	ational forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	Ø Fence	⊠ St	eep slopes	De Other: Concrete walt		
			-			
Human Uses Observe		T			☐ Water skiing	
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skining	
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading		
D-Hunting	Trapping	reating	Fishing frequency of use, photo-	None of the above documentation of evidence	Other:	
Describe: (menude num	10cl of ilidividuals rec	ALVERTALE	, itoquomoj or art, grand			
				•		
Evidence of Human U	Jse*:			T	T	
Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Site	s	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	

☐ Other:

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Pipe (Pic 2726)

WED # 1707 Ste# 1

Date: 6 / 22 / 06

## Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

	Distance fron access point (n		Length (m	a) Avg.	Depth (m)	Max Depth (m)
☐ Riffle						
Run		18	50	. 0.7,0.	5, 0.4=1.8	0,5
☐ Pool						
以 Flow	Present?	Yes 🗆 No	Velocity (ft/se	c): Slow		
	~	100				
Downstrea	m View Physic  Distance from access point (r	i wiam (m)	Length (n	n) Avg.	Depth (m)	Max Depth (m)
☐ Riffle						
Run			-	0.7,0,6	,0.5=1.8 ,0.8=3.0 1.0	0.7
12 Mod Eur				0.4, 1.3	,0.8=3.0/.0	1,3
Flow		Yes □ No	Velocity (ft/se	c): 510W		
	These values shou	ld add up to 100%.) % Gravel	% Sand	% Silt   8	∕) % Mud/Clay	/D % Bedroo
uatic Vege	tation*: (Note as	mount of vegetation or a	algal growth at the ass	sessment site.)		
Algae						
otor Chara	cteristics*: (Ma	rk all that apply.)				
31ET ( . 1131 A	☐ Sewage		☐ Chemical	None	☐ Other:	
Odor:	LJ DUWAK			\ <del></del>	D 041	
·	☐ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Odor:	☐ Clear		☐ Gray ☐ Fine sediments	Milky None	☐ Other:	

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WBID # 170	O Site	:# <u>     5                               </u>	
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Date: 6 / 22/06

# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization - 1 of 3

(A	separate Data S	heet E	must be completed	for eac	ch site)	94.
Latitude (ddd.dddd): The Longitude (ddd.dddd):	Poor Loverage	er'			Arrival Time:	Ì
Photo Ids: Upstream: 2	2729 D	ownstre	am: 2730		Other: 2731	- Dam Grafiti
Narrative Description o	f Location: (Des	cribe ac	cess point to stream, nea	rby roa	ds, landmarks, etc.)	
Upstream of a pipe of	concrete linea pulfull	L f	portion approx.	75n	<u> </u>	
Surrounding Condition tems of interest.)	s*: (Mark all that p	romote	or impede recreational u	ses. Att	ach photos of eviden	ce or unusual
☐ City/county parks	☐ Playgrounds	□м	C conservation lands		rban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	□ Na	ional forests	ΠN	ature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Fence ☐ Steep slopes			ther: Conoutc	wall
Human Uses Observed*	•					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing		☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading		□ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	1 / 1	None of the above	☐ Other:
Describe: (include numbe	er of individuals rec	reating,	frequency of use, photo-	-docume	entation of evidence	of recreational uses, etc.)
Evidence of Human Use	e*:					
Roads	☐ Foot paths/prit	its	☐ Dock/platform		ivestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		PDES Discharge	☐ Fishing Tackle
Other: Graffite	i downstre	en,	on concrete	line	d portion	•
Sources of Pollution: (e.,	g., trash dumping, t	ires, dra	inages, discharges, etc.)			
Pipe outfall						

#### Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: Upstream View Physical Dimensions: Distance from Avg. Depth (m) Max Depth (m) Length (m) Width (m) access point (m) ☐ Riffle ☐ Run D.8, 1.2, 1.1=31 1.03 ☑ Pool Velocity (ft/sec): ☐ Yes □ No Present? ☐ Flow Downstream View Physical Dimensions: Distance from Max Depth (m) Avg. Depth (m) Length (m) Width (m) access point (m) ☐ Riffle □ Run 1.3 1.0.1.1= 34 Pool Velocity (ft/sec): □ No Present? ☐ Yes ☐ Flow Substrate\*: (These values should add up to 100%.) % Bedrock % Mud/Clay % Sand 45 % Silt % Gravel % Cobble Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site.) Algae Water Characteristics\*: (Mark all that apply.) None ☐ Other: ☐ Chemical Odor: ☐ Musky ☐ Sewage 区Milky ☐ Other: ☐ Gray ☐ Green Color: ☐ Clear Other: ☑ None ☐ Fine sediments

☐ Foam

☐ Other:

☐ None

Ducks

Bottom Deposit:

Surface Deposit:

☐ Sludge

□⁄0il

☐ Solids

⊠ Scum

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID #	<b>#</b>	709	Site	#	<u> </u>
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Date: 6 / 22 / 06

# Field Data Sheets for Recreational Use Stream Surveys

#### Data Sheet B - Site Characterization - 1 of 3

(.	A separate Data S	Sheet	B must be completed	for each site)	
Latitude (ddd.dddd): N	13872849			Arrival Time:	60
Longitude (ddd.dddd):  Photo Ids: Upstream:	2732 E	owns	ream: 2733	Other:	
Arrative Description of Rive	of Location: (Des	cribe Agc	access point to stream, nea	rby roads, landmarks, etc.)	
urrounding Condition	ns*: (Mark all that p	oromo	te or impede recreational u	ses. Attach photos of eviden	ce or unusual
☐ City/county parks	☐ Playgrounds	$\square$ $N$	IDC conservation lands	(X) Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests		☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes		Other: (on crete	trapezoidal
uman Uses Observed	[*:				☐ Water skiing
Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	
☐ Wind surfing	☐ Kayaking		Boating	☐ Wading	Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above documentation of evidence	Other:
Grafiti	SEL OI HIGIVIGUAIS LO		g, moquone, or abe, passes		
vidence of Human U				D Timetank Watering	☐ RV / ATV Tracks
Roads Riverna			☐ Dock/platform	☐ Livestock Watering	☐ Fishing Tackle
☐ Rope swings	☐ Camping Site	<u>s</u>	☐ Fire pit/ring	☐ NPDES Discharge	LJ FISHING LACKIE
☐ Other:					
ources of Pollution: ( Outfall, drain	e.g., trash dumping, age, Pump:	tires,	drainages, discharges, etc.) on, road runoff		

WBID# <u>[709</u> Size# 6

Date: 6 1221 06

#### Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: Upstream View Physical Dimensions: Distance from Avg. Depth (m) Max Depth (m) Length (m) Width (m) access point (m) ☐ Riffle 6,3,0.4,0.2=09 2 0.4 Run ☐ Pool Velocity (ft/sec):  $\square$  No ☐ Yes Present? ☐ Flow Downstream View Physical Dimensions: Distance from Max Depth (m) Avg. Depth (m) Length (m) Width (m) access point (m) ☐ Riffle ₩ Run □ Pool Velocity (ft/sec): □ No ☐ Yes ☐ Flow Present? Substrate\*: (These values should add up to 100%.) 5% Gravel % Bedrock % Mud/Clay 100 % Cobble % Silt % Sand 7 Construction debris Aquatic Vegetation\*: (Note amount of vegetation or algal growth at the assessment site.) Algae Water Characteristics\*: (Mark all that apply.) None ☐ Other: ☐ Chemical Odor: ☐ Musky ☐ Sewage ☐ Other: ☐ Milky ☐ Gray Color: ☑ Clear ☐ Green ⊠ None ☐ Other: ☐ Fine sediments Bottom Deposit: ☐ Solids ☐ Sludge ☐ Other: ☑ None Surface Deposit: □ Oil ☐ Scum ☐ Foam

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

D# <u>1709</u> Site	e#				3
: 6 1 2 2 1 06	·····			-	
		<u>ieets f</u>	or Recreational Use	Stream Surveys	
(A					
atitude (ddd.dddd): //	7×7718		,	Arrival Time:	
1. 1. /111 1111		-1.		510	opm
hoto Ids: Upstream:	D D	Downstr	eam: 2734	Other:	
		scribe a	ccess point to stream, nea	arby roads, landmarks, etc.)	•
DS of Rive	rnew Dr.				
ounding Condition of interest.)	s*: (Mark all that p	promote	e or impede recreational u	ses. Attach photos of evide	nce or unusual
	I m mindr	F 7/	TO lande	IXI Yirhan areas	Camporounds
City/county parks	☐ Playgrounds	•	DC conservation lands	Urban areas	☐ Campgrounds
City/county parks Boating accesses	☐ State parks	□Na	ational forests	☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway
City/county parks		□Na			
City/county parks Boating accesses	☐ State parks ☐ Fence	□Na	ational forests	☐ Nature trails	
City/county parks Boating accesses No trespass sign	☐ State parks ☐ Fence	□ Na	ational forests	☐ Nature trails	
City/county parks Boating accesses No trespass sign an Uses Observed	☐ State parks ☐ Fence	□ Na	ational forests eep slopes	☐ Nature trails ☐ Other:	☐ Stairs/walkway
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	☐ State parks ☐ Fence  *: ☐ Skin diving ☐ Kayaking ☐ Trapping	☐ Na	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	☐ State parks ☐ Fence  *: ☐ Skin diving ☐ Kayaking ☐ Trapping	☐ Na	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	☐ State parks ☐ Fence  *: ☐ Skin diving ☐ Kayaking ☐ Trapping	☐ Na	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	☐ State parks ☐ Fence  *: ☐ Skin diving ☐ Kayaking ☐ Trapping	☐ Na	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	☐ State parks ☐ Fence  *: ☐ Skin diving ☐ Kayaking ☐ Trapping	☐ Na	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed' Swimming Wind surfing	State parks Fence  Skin diving Kayaking Trapping er of individuals rec	□ Na □ Ste	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
City/county parks Boating accesses No trespass sign an Uses Observed Swimming Wind surfing Hunting Describe: (include number	State parks Fence  Skin diving Kayaking Trapping er of individuals rec	□ Na □ Ste	ational forests eep slopes  SCUBA diving Boating Fishing	☐ Nature trails ☐ Other: ☐ Tubing ☐ Wading ☐ None of the above	☐ Stairs/walkway ☐ Water skiing ☐ Rafting ☐ Other:
- a c - E	6 / 22 / 06  (Antitude (ddd.dddd): Nongitude (ddd.dddd):  noto Ids: Upstream:  ative Description of Rive	Field Data Sl  Data Sheet (A separate Data statistical (Add. dddd): N 38.7278  Ongitude (ddd. dddd): W 9 D. 2 19 statistical (dddd. dddd): W 9 D. 2 19 statistical (ddddd): W 9 D. 2 19 statistical	Field Data Sheets I  Data Sheet B - Si  (A separate Data Sheet  attitude (ddd.dddd): N 38 7 Z78  ongitude (ddd.dddd): W 9D Z 1917  noto Ids: Upstream: Downstr	Field Data Sheets for Recreational Use  Data Sheet B - Site Characterization (A separate Data Sheet B must be completed atitude (ddd.dddd): N 38 7 278  Ongitude (ddd.dddd): W Q D. Z 19 17  Onto Ids: Upstream: Downstream: 27 3 4  Active Description of Location: (Describe access point to stream, nearly S of Riverview Or.	Field Data Sheets for Recreational Use Stream Surveys  Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each site)  Attitude (ddd.dddd): N 38 7 278  Intitude (ddd.dddd): W 9D 2 19 17  Into Ids: Upstream: Downstream: 27 3 4  Other:  Attive Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)  Of Riverniew Dr.

☐ Other:

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

nte: <u>6   22</u>	1_06_					
	Data	Sheet B - Site (	Characterization	-2 of 3	•	
ream Morpholo Upstream Viev		ensions:		•		· 
I	Distance from ccess point (m)	Width (m)	Length (m)	) Avg	. Depth (m)	Max Depth (m)
☐ Riffle					<u> </u>	
□ Run						
□ Pool						
☐ Flow Pre	esent?	□ No	Velocity (ft/sec	:):		
	iew Physical L Distance from ccess point (m)	Vidth (m)	Length (m	) Avg	. Depth (m)	Max Depth (m)
□ Riffle						
⊠ Run		18		0.1,0	0,2,0,1=0,4	0.2
☐ Pool						
	esent? XYes	□ No	Velocity (ft/sec	s):		
						•
· · · · · · · · · · · · · · · · · · ·	se values should ad		1 0/ 0-1	% Silt	% Mud/Clay	% Bedroc
<u>80 % Cobb</u>	ole   /5 % (	Gravel 5	% Sand	70 Dir.	70 141.400 01)	
natic Vegetati	on*: (Note amow	nt of vegetation or a	algal growth at the ass	essment site.)		
Algae				-		
, und						
ater Character	ristics*: (Mark al	l that apply.)				
Odor:	☐ Sewage	□ Musky	☐ Chemical	None	☐ Other:	
Color:	ズ Clear	☐ Green	□ Gray	☐ Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solids	☐ Fine sediments	None	☐ Other:	
Surface Deposit:	□ Oil	☐ Scum	☐ Foam	None	☐ Other:	

To Sist

Surface Deposit:

□ Oil

☐ Scum

<sup>\*</sup>This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID#_	1711	Site #	
Date: 6	1221	06	

## Data Sheet B - Site Characterization - 3 of 3

	Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local											
condi	tions, problems in measu Thundustorms	ring, site re	location	.).	,	6	J	tom as a la		2,70	maice.	1. k
	1 hundustorms	inpred	into	area	ojć	peaan	TO	rain	40	>17E	mousus	emens
	were finished											
	. P. Maria M					,						
							······································					
***************************************	······································			······						······································		
								,				

# Maline Creek WBID# 1709 Recreational UAA Photographs

St. Louis County June 22, 2006

# Overview

- 7 sites
- Phase 1 Drought Advisory

	Depth (m)					
Survey Point	Average	Maximum				
1 US	0.05	0.05				
1 DS	0.05	0.05				
2 US	0.66	0.70				
2 DS	0.86	1.00				
3 US	0.63	0.80				
3 DS	0.73	1.00				
4 US	0.43	0.50				
4 DS	0.60	0.70				
4 DS	1.00	1.30				
5 US	1.03	1.10				
5 DS	1.13	1.30				
6 US	0.30	0.40				
6 DS	0.10	0.10				
7 US	0.13	0.20				

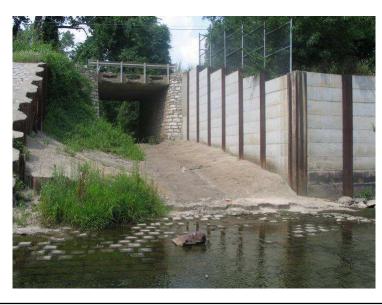
Site 1 – Upstream



Site 1 – Downstream



Site 1 – Drain



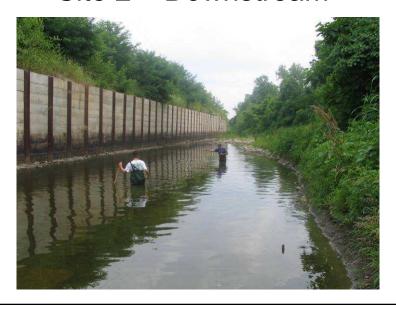
Site 2 – Upstream



Site 2 – Pipe



Site 2 – Downstream



Site 3 – Upstream



Site 3 – Pipe



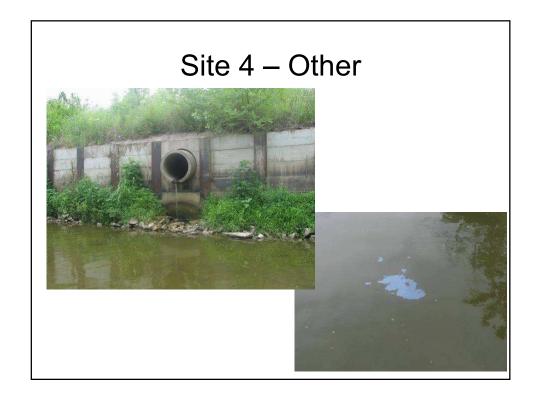
Site 3 – Downstream



Site 4 – Upstream







Site 5 – Upstream



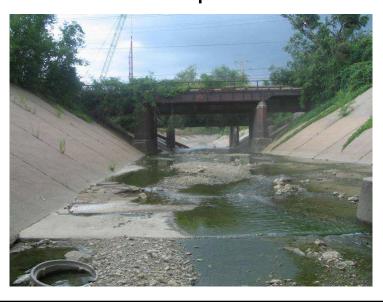
Site 5 – Downstream



Site 5 – Dam



Site 6 – Upstream



Site 6 – Downstream

